

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: All Codes and Amendments Submitted

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

NOTE: This request when viewed on computer extends several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Please confirm compliance with G.S. 143-136(c) and (d) where applicable.

Wherever terms are italicized in text of the Rule, please confirm that means it is a term defined elsewhere within the Code.

On all Submission for Permanent Rule forms, the date the rules were published was February 15, 2017. Please update this on Box 6.

For the adoptions to update the Codes to 2015 International Code editions, this isn't a petition for rulemaking, is it? Instead, isn't it based upon G.S. 143-138(d)? If so, please change the answer to Box 9B of the Form.

Wherever you are deleting parts of a list, please confirm that when you publish, the remaining items will be renumbered. If they will not, is that because you need to keep cross-references intact?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2016

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Are you adopting the parts of this chapter in the International Residential Code (IRC) that are not addressed in the packet?

I note that "code" is not capitalized throughout this Code. So, I take it that it should remain lowercase everywhere is used as such?

So that I'm clear – this will be the 2018 Residential Code? Or is it the 2019 Code? I note that page 22 of the packet does not include dates. What should those be?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Acknowledgements and Preface

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

On Page 3, should the Commissioner information be updated?

On Pages 17-18 of the packet, since you are deleting Chapters 34-43, should they be deleted here as well?

On Page 18 of the packet, for "Chapter 46" I recommend stating "identified by any governmental agency (state or federal)"

Also, you have "hazard area" (singular) followed by several "areas" (plural). Should "hazard area" be plural as well?

I take it from the strikethroughs on Pages 19-21 that you are not incorporating any of the Appendices from the IRC? However, it appears that you are retaining many of the appendices. Please only strike what you are removing and add those that you are adopting.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, R102.7, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

I take it that when you are referring to the Administrative Code and Policies you are referring to this volume of the NC Building Code?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 1

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

R101.1: Please insert the appropriate dates.

R101.2.1: Why are the terms "coastal high hazard" and "ocean hazard areas" italicized? I don't see that these terms are defined in this code.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 2

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

When you publish, please be sure that the terms are in alphabetical order.

In "Accepted Engineering Practice" I recommend deleting "That which" or stating "Practices that conform..."

And does your regulated public know what these tests or standards are?

In "Access to" I recommend deleting "That which" or replacing it with "Access that enables..."

In "Accessible" why is "ACCESSIBLE" in all caps on the second line?

Also, shouldn't the cross-reference be to "ready access (to)," which is the defined term on Page 67 of the packet?

In "Accessory Building" on the third line, replace "which" with "that" before "is detached"

In "Adapter Fitting," I take it your regulated public knows what is "suitable" and "proper"?

In "Addition" and elsewhere where the term is used, what does "for energy purposes"? I am sure your regulated public knows, but I do not.

In "Alternative Engineered Design" who will determine compliance with this intent? A code official?

You are defining "Bed and Breakfast Home" That term is defined in G.S. 130A-247 and this does not track it exactly. Is this not a concern, given the use of the term in G.S. 143-138, as well as other parts of this Code?

Do you not also need to define "bed and breakfast inn," again based upon G.S. 143-138 and other parts of this Code.

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

In “BPI Envelope Professional” does your regulated public know how to sign up for and take the exams, and what a current certification is?

In “Braze Joint” replace “which” with “that”

In the exception to “Building Drain,” should it be “considered to be the building drain”?

The definition of “Cistern” does not meet the definition in G.S. 143-138(b12), which states:

(b12) Cisterns. - The Code may include rules pertaining to the construction or renovation of residential or commercial buildings and structures that permit the use of cisterns to provide water for flushing toilets and for outdoor irrigation. No State, county, or local building code or regulation shall prohibit the use of cisterns to provide water for flushing toilets and for outdoor irrigation. **As used in this subsection, “cistern” means a storage tank that is watertight; has smooth interior surfaces and enclosed lids; is fabricated from nonreactive materials such as reinforced concrete, galvanized steel, or plastic; is designed to collect rainfall from a catchment area; may be installed indoors or outdoors; and is located underground, at ground level, or on elevated stands.**

Is this a concern here?

On Page 49, should there be two definitions of “clothes dryer”? Should the first be deleted?

In the second definition, in Type 1, what is “usually the smallest unit physically and in output”? Does your regulated public know?

In “Cross Connection” what is “questionable safety”? does your regulated public know? Also, insert a comma after “safety” In addition, should be “a chemical” or “chemical(s)”?

In “Discrete Product” please delete “but no limited to” unless you need to retain the term to be consistent with the rest of the code.

In “Environmental Air” replace “which” with “that” and insert an “or” after “bathroom exhaust”

In “Equipment, Existing” replace “which” with “that” before “was legally”

You have defined “F-Factor” twice on pages 54 and 55. Do you need to retain it both places?

In “Family” what is the purpose of defining the term? Is it to help define “one or two family home”?

In “Fiber-Cement Siding” replace “which” with “that” after “Additives”

In “Fireplace” why are you defining “Masonry Chimney” here? I note you already defined the term differently on Page 49 of the packet. Which controls?

In “Smoke Chamber” replace “which” with “that”

In “Fully Enclosed Attic Floor System” replace “which” with “that”

In “HERS Rater” does your regulated public know how to sign up for and take the training and what a current certification is?

Amanda J. Reeder
Commission Counsel
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In “Infrared Radiant Heater” replace “which” with “that” And consider stating “These heaters shall be either the vented or unvented type”

In “Joint, Plastic Adhesive,” “Joint, Plastic Solvent Cement,” and “Joint, Soldered,” replace “which” with “that”

In “Labeled” how will the Building Code Council approve these laboratories, agencies, or organizations? Please note G.S. 143-139.1, requiring the Council to adopt rules to set those requirements.

§ 143-139.1. Certification of manufactured buildings, structures or components by recognized independent testing laboratory; minimum standards for modular homes.

(a) Certification. - The State Building Code may provide, in circumstances deemed appropriate by the Building Code Council, for testing, evaluation, inspection, and certification of buildings, structures or components manufactured off the site on which they are to be erected, by a recognized independent testing laboratory having follow-up inspection services approved by the Building Code Council. Approval of such buildings, structures or components shall be evidenced by labels or seals acceptable to the Council. All building units, structures or components bearing such labels or seals shall be deemed to meet the requirements of the State Building Code and this Article without further inspection or payment of fees, except as may be required for the enforcement of the Code relative to the connection of units and components and enforcement of local ordinances governing zoning, utility connections, and foundations permits. The Building Code Council shall adopt and may amend from time to time such reasonable and appropriate rules and regulations as it deems necessary for approval of agencies offering such testing, evaluation, inspection, and certification services and for overseeing their operations. Such rules and regulations shall include provisions to insure that such agencies are independent and free of any potential conflicts of interest which might influence their judgment in exercising their functions under the Code. Such rules and regulations may include a schedule of reasonable fees to cover administrative expenses in approving and overseeing operations of such agencies and may require the posting of a bond or other security satisfactory to the Council guaranteeing faithful performance of duties under the Code.

The Building Code Council may also adopt rules to insure that any person that is not licensed, in accordance with G.S. 87-1, and that undertakes to erect a North Carolina labeled manufactured modular building, meets the manufacturer's installation instructions and applicable provisions of the State Building Code. Any such person, before securing a permit to erect a modular building, shall provide the code enforcement official proof that he has in force for each modular building to be erected a \$5,000 surety bond insuring compliance with the regulations of the State Building Code governing installation of modular buildings.

Further, where will this list be kept? How can the public and code officials see it? Is it the link provided in Third-Party Certification Agency?

In “Laundry Tray” when you publish, to be consistent, please use a period instead of a semicolon after the term and begin the sentence with a capital “A”

In “Natural Ventilation” when you publish, please be sure to insert a period at the end of the sentence.

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

In the term “On-Site Renewable Energy” is the term hyphenated? It is on the first sentence but not on the fourth line. I note that the IRC hyphenates “on-site” for “On-Site Nonpotable Water Reuse System.” Please be consistent.

On Page 65 of the packet, do you need to define “Piping” twice? If you need to retain it, make sure you insert a period at the end of the Tubing in “[RM] Piping”

In “Plumbing Appliance,” the first new sentence seems incomplete. Do you mean “These include water or drain-connected...”?

In “Pollution” what do you wish to state – “but” or “[and]”? I note that IRC states “and”

In “Potable Water” does your regulated public know what these standards are? Are you including them as the appendices as set forth in G.S. 143-138(b7)(3)?

(b7) Appendices. - For the information of users thereof, the Code shall include as appendices the following:

(3) Any rules relating to sanitation adopted by the Commission for Public Health which the Building Code Council believes pertinent.

In “Regulator” is “Multistage” going to be an adjustable regulator? Should there be a 3 in front of it?

In “Sewage” did you intend to delete the first sentence, given the language you’ve added? If not, then the first part of the second sentence is redundant and should be removed.

In “Skylight” consider stating “The glazing material in skylights...”

In “Solar Energy Source” consider stating “A source of thermal...”

In “Solar Heat Gain Coefficient” replace “which” with “that” on Page 72 of the packet.

In “Spillproof Vacuum Breaker” please confirm it should read “between and including ...”

In “Story, Attic” replace “which” with “that”

In “Supply Air” I suggest you delete “That” and begin the sentence “Air delivered...”

In “Sweep” you refer to “bend” and “elbow” but you deleted these terms in this chapter. Please delete them here.

In “Thermostat” “Electric switch type” should the “the” before “flow of gas” be “by”? If not, isn’t a word missing? The sentence reads oddly.

In “Unit Heater” consider replacing “in which” with “where”

Amanda J. Reeder
Commission Counsel
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In the definition of "Vent," I take it your regulated public is familiar with these types of vents?

In "Visible Transmittance" I believe there be a period instead of a comma after "light" and before "Visible Transmittance" And then please remove the comma after "Visible Transmittance" on the second line. Or, delete the term altogether on that line. "...visible light, includes ..."

In "Wall, Above-Grade" should "above grade" on the first line be hyphenated to be consistent?

In "Windborne Debris Region," please capitalize "Waterway" in "Intracoastal Waterway"

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 3

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Table R301.2(1): *Why do you need Footnote b on Page 81? If you need it, don't you need to insert the date?*

Figure 301.2(7): *On Page 92 of the packet, what are you doing? Renumbering this figure?*

R301.2.1.2: *In Exception 2, I recommend you insert a comma after "protected" on the third line.*

Table R301.2.1.2: *Given the changes you are making to remove the requirement of "anchors" do you need to amend Footnote d?*

R302.1.1: *On the sixth line, the sentence beginning "Vents shall be either..." seems incomplete. Is "nominal" the correct term to use? Please note the same question for R302.2.5.*

R302.2.6: *Delete the "and" at the end of 1.*

R302.2.7: *Should Appendix K be added to the preface?*

Table R302.6: *Should the footnote "a" be somewhere in the Table, or at the top with the name?*

R308.4.2: *In Exceptions, you renumbered number 4 in the IRC as number 5. Are you adding a new four, or is the renumbering a typographical error?*

R311.6.1: *Why use both "nominal" and "minimum" Why not just use one term?*

R315.2.1 and 315.2.2: *What about combustion heaters, in accordance with G.S. 143-138(b2)? I know the language is permissive, but wanted to make sure that it was not intended to be addressed here.*

R317.1.4: *Delete the "and" at the end of Exceptions 2a through b*

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

R318.2: Does your regulated public know what these standards are? And are these the standards of the NC Structural Pest Control Act in G.S. 106, Article 4C? Should you state that here?

318.4.1: Should Appendix O be added to the preface?

318.4.4: Replace "which" with "that"

321.1: Does this need to be amended to state that these standards do not apply to the elevators exempted by G.S. 143-138(c1), or is that known to your regulated public?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 4

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

R403.1: *Should Appendix Q be added to the preface?*

R403.1.6: *When you publish, be sure to insert a period after "corner." Please note the same for R403.1.6.1, 2 and 3.*

Figure R403.1.9: *Consider deleting "but not limited to" If you need to keep something, why not state "Examples include adjacent building..."*

R404.4: *The sentence that begins "In addition" is incomplete. If it meets the following, then what? Is it that they must be designed with a safety factor of 1.5? If so, then please insert a comma after "addition," replace "which" with "that" and begin the last sentence "shall be designed..."*

R406.1: *On the second line, it appears you misspelled "dampproofed"*

408.1.4, R409.2.4, R409.8.2: *Consider deleting "but not limited to" unless it will conflict with the IRC and NC Code.*

409.2.2.1: *What is an "energy penalty"? Does your regulated public know?*

R409.7: *Replace "which" with "that"*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 5

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Figure R502.2: What are you doing here? Who is the note for?

Figure R502.8: I just want to be clear – you will be renaming Figure 502.8 in the IRC Figure 502.8.1?

R502.11.1: I know this is IRC language, but should this read “registered design professional”?

R506: Should Appendix M be added to the preface?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 6

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Table 602.3(1): In Footnote c, Page 254 of the packet, what are these codes? Specifically, the "Standard" or "Uniform" building codes? Does your regulated public know?

And will an "R" be added to the front of the name?

Table 602.3(1), Continued: In Footnote a, Page 255 of the packet, you are not going to have a footnote a? Is that what you mean by "deleted"?

Between Footnotes f and g, what about regions with an ultimate wind speed between 121 and 129 mph? As a practical matter, does this not need to be addressed?

And will an "R" be added to the front of the name?

Figure R602.3(2): So that I'm clear, this is being adopted verbatim from the IRC?

R602.10: What do you mean by number 4? What part of the IRC, since you are not adopting any of Section 602.10 from the 2015 IRC?

Also, remove the "or" at the end of 3, and insert an "or" and comma at the end of 4. (Also, consider replacing the commas at the ends of 1-4 with semicolons)

R602.10.2.2: In 5, what part of the 2015 IRC are you referring to?

R602.10.3.1: In 2, isn't "Eave to ridge" hyphenated?

R602.10.3.2: In 5, remove the hyphens from "deemed to comply"

Figure R602.10.3(2): So that I'm clear – are the figure notes on Page 310 applicable to Figures R602.10.3(2)a through c?

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

In Footnote 5, is the Figure going to have “a” in parenthesis? It isn’t in parenthesis in this packet. I note that Footnote 6 uses parentheses for (b) but not (c). Please just be consistent. If you do use parentheses, please also do this in the Code itself.

R602.10.4.1: Consider stating on the third line “... accordance with Sections R4504.1 and R4508.”

R602.12.5: On Page 323 of the packet, did you intend to also delete 3?

R606.7.1: Should “two story” and “two and one-half story” be “stories”?

Table R606.12.2.1: In the Footnotes, can you delete “NP” since you removed it from the table?

Tables in R608: Given the deletions and renumbering of the tables, please ensure cross-references in the footnotes are still correct.

R608.10: Did you intend to delete “framing” after “wood”? That doesn’t appear to be consistent with prior deletions, so I wanted to check.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 7

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Table R702.3.5: Just so I'm clear, the "c" footnote will be removed from the Column "Size of Nails for Application to Wood Framing"?

Table R702.3.6: Will "b" be removed from the column "Shear Value (plf of ceiling)"?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 8

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Figure R802.3.1: Who is this note for on Page 439 of the packet? The publisher?

R802.10.2: I know this is IRC language, but should it read "registered design professional"? If not, what professional?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 9

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In reviewing these rules, the staff determined that the following technical changes need to be made:

R904.4: Given the amendment here, when will this be required? Does your regulated public know?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 10

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

Figure R1001.1: Who is this note for on Page 475 of the packet? The publisher?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 11

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

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In reviewing these rules, the staff determined that the following technical changes need to be made:

N1101.13: *In 4, what is “REScheck”?*

N1101.14: *I suggest inserting “and the” before “U-factors”*

Should Appendix E be added to the preface?

Table N1102.1.2: *In Footnote a, replace “which” with “that”*

In Footnote c, delete the errant quotation mark at the end of the line.

In Footnote d, for consistency with line 3, I suggest inserting a comma after “grade” on the second line.

You deleted Footnote e on Page 506 of the packet, but “e” is still used in the Column “Glazed Fenestration SHGC. Should it be deleted there?

Table N1101.1.4: *In Footnote d, what is a “REScheck”?*

N1102.2.4: *Should there be a word after “R-5” like “value” or “insulation value”?*

N1102.2.5: *I suggest putting the new language in a list. Also, consider stating “meeting the following:” If you do not want to do a list, please be consistent and either separate all types of walls by periods or semicolons.*

N1102.2.8: *In the Exception, should this read “An enclosed floor cavity... with an enclosed...”?*

N1102.2.9: *Should Appendix O be added to the preface?*

N1102.2.11: *What is an “energy penalty”? Does your regulated public know?*

Amanda J. Reeder
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In 2, what is the “North Carolina-specific version of RESCHECK”? Why is it the term in all caps here?

N1102.4.2.1: I thought the certificate in Appendix E-1 was a sample certificate? So, is the certificate required by the Appendix or by N1101.14?

N1102.4.2.2: I take it that numbers 1 and 2 on Page 515 of the packet are the “Test Criteria” referenced on page 516? If so, why not name them that on Page 515?

Table N1102.4.2: In “Ceiling/Attic” delete the comma before “(for example,..)”

N1102.4.5 and N1102.4.6: So that I’m clear, you are deleting what was originally N1102.4.4 and making what was N1102.4.5 into N1102.4.6?

N1103.3.1: Should there be a word after “R-8” and “R-4” like “value” or “insulation value”?

N1103.3.2: When you publish, please be sure to change it to “Exception:”

N1103.3.3: On Page 521 of the packet, third paragraph, where does the end quotation go after “Total duct leakage test”? You are missing one.

N1103.3.3.1: This sentence appears to be incomplete. Are you missing a verb? I note that N1103.3.3.2 is written in an active voice and is clear; perhaps that would be a good model for this rule?

N1103.10.2: Is the term “constantly burning”?

N1106: Will the language on Pages 530-531 be superseded by the language in the separately filed petition?

N1106.5: When you published the rulemaking petition in the NC Register, you allowed a “RESNET certified home energy rater” to do this as well. Did you decide after publication to not proceed with that part of the petition?

N1107.1: So that I’m clear – only 1107.1 has a subsection in this part of the code. I take it that this is necessary? I ask because this is the first time I’ve noticed the language.

N1109.1.1: In Exception 2, is the space required that required by this code? Is it clear to your regulated public?

N1109.2: What does this mean? Does your regulated public know?

And how does this interact with G.S. 143-138(b5)?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, N1106.1, N1106.2, and N1106.5

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Please verify that these changes are what is intended for the Code, rather than the version of these rules beginning on Page 530 of the packet.

N1106.2: *In the Exception, should "R-4" have a word or words after it?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

SECTION N1106
ENERGY RATING INDEX COMPLIANCE ALTERNATIVE

N1106.1 Scope. This section establishes criteria for compliance using an Energy Rating Index (ERI) analysis.

N1106.2 Mandatory requirements.

Compliance with this section requires that the ~~mandatory~~ provisions identified in Sections ~~N1101.2~~ ~~N1101 through N1104~~ labeled as “mandatory” ~~and Section N1103.5.3~~ be met. The building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table 1102.1.1 or 1102.1.3 of the ~~2009 International Energy Conservation Code~~ 2012 NC Energy Conservation Code. Minimum standards associated with compliance shall be the ANSI RESNET ICC Standard 301-2014 “Standard for the Calculation and Labeling of the Energy Performance of Low-Rise Residential Buildings using an Energy Rating Index.” A North Carolina licensed design professional or certified HERS rater is required to perform the analysis if required by North Carolina licensure laws.

Exception: ~~Supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6. Supply and return ducts in unconditioned space and outdoors shall be insulated to a minimum R-8. Supply ducts inside semi-conditioned space shall be insulated to a minimum R-4; return ducts inside conditioned and semi-conditioned space are not required to be insulated. Ducts located inside conditioned space are not required to be insulated other than as may be necessary for preventing the formation of condensation on the exterior of cooling ducts.~~

N1106.5 Verification by approved agency.

Verification of compliance with Section N1106 shall be performed by the licensed design professional or certified HERS rater and the compliance documentation shall be provided to the code official. ~~The code official shall inspect according to the requirements of Section N1106.6.2 completed by an approved third party.~~

The delayed effective date of this Rule is January 1, 2019.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

(Note: All other strikethroughs/underlines are part of the 2018 Code adoption package.)

(Note: certified HERS rater = RESNET Certified Home Energy Rater)

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 13

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M1307.1: What are terms of approval? Does your regulated public know? Also, please insert an "and" before "in accordance"

M1307.1.1: Is this R304.4?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 14

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M1401.3: In the additional language, I think you can more clearly state what is not required (right now, you "nor" and "shall not"). Consider removing the "nor" before "ACCA manual S"

M1411.3: Should the first added sentence read "... high-level switch that shall shut off..."?

M1411.3.1: In 1a, what is the term here? "under air handler"? Is any of that hyphenated? And should it be "the auxiliary pan..."?

M1416: In the note at the beginning of the chapter, you state that the section numbers appearing in parentheses after the section number are from the Mechanical Code. But that is not correct here, as you are repeating another section of the Residential Code. So, do you need to repeat it here to help your regulated public use the Code? If so, please consider amending your note on page 553 of the packet.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 15

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M1502.4.3: I recommend stating "within the room where the appliance..."

M1502.4.6: Is this part of 504.8.5 of the Mechanical Code?

Also, I believe the first bullet should begin with "Labels" (plural) to be consistent with the language below.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 16

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M1601.4.1: Are the new Exceptions on Page 571 of the packet exceptions to the exception 2 above? Or are they in addition?

M1601.4.6: Should the new language end with “cooling equipment.”? And so that I’m clear – the addition of heating equipment in an unconditioned basement will not require insulation?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 18

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Table M1803.2: *I know this is IRC language but in order to be consistent, consider stating "6 to 10" and "Over 10 to 16."*

Table M1803.3.5: *In System C, when you publish, please be sure there is no hyphen in "thickness"*

M1804.2.6: *Since you are deleting 1 through 7, to what "following requirements" are you referring? If it's M1804.2.6.1 through 6.3, please state that here.*

M1804.2.6.1 and M1804.2.6.2: *The language in these rules mirror each other substantially, but in some you use "at least" and in the corresponding part of the other rule "less than." Is there a reason for this?*

M1804.2.6.3: *Considering inserting an "a" or "both a"*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 21

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M2102.1: Please insert a space between "solvent" and "cemented"

M2102.6: Should line 3 read "press joints" since that is the term used in Section M2102.6.3?

M2102.8: Is "heat fusion" one word (see this rule) or is it hyphenated? (See M2102.8.1 and M2102.12.1.) Please be consistent.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 22

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

M2201.5: *I know this is IRC language, but who will predetermine this safe level? The code official? The registered design professional? Does your regulated public know?*

M2202.4: *State "only outside and underground."*

M2203.2: *I am just checking – did you intend to refer to "od tubing" on the third line of the new text?*

M2203.2.1: *In the Exception, please insert a space between "above" and "ground"*

M2203.2.3, M2204.3, and M2204.5: *Is the term "fuel-oil-burning" hyphenated? It's not "fuel oil"?*

M2203.5: *Who will determine the sufficiency of the termination of the pipe above ground? The registered design professional, based upon guidance in this code?*

M2205.3: *Who determines this safe level? Is it the manufacturer of the tank?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 24

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

G2401.2: *So that I'm clear, how will the code official determine if this is in the public interest of health, safety and welfare? Or is this intended to convey that it will meet the intent of the code?*

G2408.3: *In the Exception, please verify you meant G2406.4 and not G2406.6.*

G2419.2: *How will the gas company make the determination and convey it that the location is acceptable? Is this on a case-by-case basis?*

G2413: *What is a "qualified agency"? Does your regulated public know?*

G2417.1: *Please publish the citation as "N.C.G.S."*

G2417.4.1: *In the Exception, either make "system" plural or change "are" to "is"*

G2417.7.1.1.1: *What is "constantly attended"? Does your regulated public know?*

In the Exception, replace the semicolon after "outdoors" with a comma.

Change "effected" to "affected"

End the sentence after "lines." Then state "Quantities of..."

G2417.7.4: *What is this training? Does your regulated public know?*

G2421.6: *I do not see that there is a Section 416 in the NC Mechanical Code.*

G2421.6.3.4: *In 1, who are "authorized personnel"? Will that vary on a case-by-case basis? And who is required to instruct them regarding the importance of leaving the shutoff valve open?*

G2425.4: *Should Appendix B be added to the preface?*

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

G2427: Are you adding to the code the figures on Page 637 of the packet? I don't see them in the IRC.

G2439.7.5: In the first bullet, should this be "Labels" to be consistent with the next bullet?

And are there any requirements for tags at all?

G2439.7.7: In the Exception, insert a comma after "grade" before "an areaway"

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 25

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P2501.1: *Is "fuel-gas-fired" hyphenated like that?*

P2501.3 – P2501.5: *I am simply curious here, but I haven't seen language like this for the other chapters incorporating other codes. Is there a reason you inserted it here?*

P2502.3: *Are you relying upon G.S. 143-139 to state that this is unlawful?*

P2502.6: *Chapter 44 of what? Is this addressed by P2502.9?*

P2503.3: *What is "reasonable" in this context of advance notice?*

On the second line, you refer to the test in P2503.4, but you are deleting that. Should it read "P2503.5"?

P2504: *Again, I'd like to just understand why this is being added here, when it is not for the other chapters. If you need to retain it, don't you want to put in parentheses that you are reciting Section 105 of the Plumbing Code?*

P2504.1: *So that I'm clear, you are delegating a waiver of the entire Residential Code to a code official, or just the plumbing portion? And the code official will know the intent and be able to make this determination? And will this be done in advance? Does it need to be requested of the code official, or is it done after?*

On the fourth line, replace "letter" with "application"

P2505.1 – P2505.4: *Don't you want to indicate this is a recitation of Section 110 of the Plumbing Code?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 26

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P2603.5: Do you want to note that this is Section 305.4 of the Plumbing Code?

P2607.1 and P2607.2: Please confirm that you are cross-referencing the correct portion of the Plumbing Code.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 27

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P2702.1: Please confirm that you are cross-referencing the correct portion of the Plumbing Code.

P2706.1: Is this not 802.3 of the Plumbing Code? If it is, should the exception be reworded to match that in the Plumbing Code?

P2708.2: What is "least dimension"?

P2723.1: Isn't this 712.4.1 of the Plumbing Code?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 28

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P2801.6: *Isn't this Section 504.7 of the Plumbing Code?*

Are you trying to say that (a) through (d) are locations where water leakage will cause damage? If so, state that. If you mean it as an additional location, insert an "or" before "a location"

P2801.7: *You deleted Section 502.5 of the Plumbing Code. Please check the cross-reference.*

P2801.12.4: *Who determines the impossibility? The individual installing or the code official?*

P2804.8: *Why do you need this? Do you need to recite it for the ease of your regulated public?*

Assuming you need to keep it, should this be named "North Carolina General Statutes"

Where you state "G.S." please either state "N.C.G.S." or "North Carolina General Statute"

The name of G.S. 66-27.1 is "Certain automatic hot water tanks or heaters to have approved relief valves; installation or sale of unapproved relief valves forbidden."

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 29

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P2910.2.3.1 and P2910.2.3.2: Please end each of the items in the list with punctuation. While I'd prefer semicolons, if you want to be consistent with the rest of the code and use periods, that is fine, too.

And in 1301.2.3.1, item 4, there is a period in "e.g."

P2911.10: In the Exception, isn't "sillcocks" one word? You use it as one word earlier in this Chapter.

P2912.3: What is "undesirable" material? Does your regulated public know?

P2912.13: In the Exception, isn't "sillcocks" one word? You use it as one word earlier in this Chapter.

P2912.15.6: You deleted Section P2910.11. Should there be a different cross-reference here?

P2913.2: In the Exception, isn't "sillcocks" one word? You use it as one word earlier in this Chapter.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 30

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P3001.2: In the Note, what are “abnormally low temperatures” and “extended periods”? Does your regulated public know?

P3010.8: You deleted P2503.4. Please insert a correct cross-reference.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 31

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P3102.1: Consider replacing "in which" with "where" before "is installed"

And I take it your regulated public will be able to determine "directly as possible" on a case-by-case basis?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 32

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

P3201.2: It appears that the cross-references you are inserting for the Plumbing Code are a bit off. For example, the cross reference to P3201.2.1 is 1002.4.1. Please verify these.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 45

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Table R4502(b): In Footnote (e)(3)(i), please insert the semicolon before the "or"

R4504.2.2: You refer to Figure R4504.2(d). However, I do not see this Figure in pages 951-955 of the Packet – I see (a) through (c) and (e) and (f). It appears to be missing.

Table R4508.2: In Footnote a, isn't this addressed by R4501.2? If not, should it read "Alternate construction" or "Alternate design"?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Chapter 46

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

R4602: *In "Base Flood Elevation" please replace "which" with "that"*

And how is this peak water elevation established by the Council? In the Code?

For "Coastal High Hazard Area" how is this approval sought and upon what basis is it given?

In "Flood Plain" what do you mean by "of record"? Do you mean that there is a record that in the past the land was flooded? I think you can say this more clearly.

And upon what grounds is this approval given? How is it sought?

In "Lowest Floor" please move the colon after "floor" to behind "provided" and consider ending 1 with a semicolon, not a comma.

In "Ocean Hazard Area" upon what grounds is this approval given? How is it sought?

Please replace "which" with "that"

R4603.4: *Consider replacing "least" with "less" in "whichever is least."*

On that same line, replace "which" with "that" after "Structures within Ocean Hazard Areas"

R4604.2: *In the Exception, replace "which" with "that"*

R4605.5: *It appears you need to add ASTM A 123 to Chapter 44.*

R4605.6: *In 2, please replace "which" with "that"*

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

R4605.8: Will “accessory structures” be italicized when this is published, as it is in R101.2.2?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendices

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

So that I'm clear, you are adopting the following Appendices from the IRC:

A, B, C, E, G, K, M (rewritten for NC), N, O (rewritten for NC), and P.

You are adopting Appendices Q, V, and W altogether.

And you are deleting the following Appendices from the IRC:

D, F, H, I, J, L, R, S, T, and U.

Is this correct?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendix E

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Table N1102.4.2: In "Ceiling/Attic" delete the comma before "(for example,...)"

N1102.4.2: Please end the sentence with a period, not a colon.

N1102.4.2.2: (Both places used in this Appendix) This language is not the same as N1102.4.2.2 on Page 515 of the packet. On Page 515, the "when tested with a blower door fan..." is confined to 2. Shouldn't the language be the same both places? I also note that Pages 1028 and 1036 only refers to ASTM E779-03, and Page 516 refers to ASTM E779 or E 1827.

I take it that the difference in numbers between Page 1036 and other places in the Code is because this addresses higher efficiency?

N1103.3.3.1: (Both places used in this Appendix) This sentence appears to be incomplete. Are you missing a verb? I note that N1103.3.3.2 is written in an active voice and is clear; perhaps that would be a good model for this rule?

Table E-4A: In Footnote a, replace "which" with "that"

In Footnote c, delete the errant quotation mark at the end of the line.

In Footnote d, for consistency with line 3, I suggest inserting a comma after "grade" on the second line.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendix M

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

AM 101.1: Please replace "which" with "that"

AM 103.1: The first sentence is missing a word. Consider stating "... the structure to which it is attached..."

Figure AM112.1: I am simply curious here – why are the footnotes asterisks, rather than letters as they are elsewhere in the Code?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendix Q

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Should this Appendix have a name?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendix V

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

What is the authority for the Code to govern design and construction of pools? Are you relying upon the following portion of G.S. 143-138(b)?

(b) Contents of the Code. - The North Carolina State Building Code, as adopted by the Building Code Council, may include reasonable and suitable classifications of buildings and structures, both as to use and occupancy; general building restrictions as to location, height, and floor areas; rules for the lighting and ventilation of buildings and structures; requirements concerning means of egress from buildings and structures; requirements concerning means of ingress in buildings and structures; rules governing construction and precautions to be taken during construction; rules as to permissible materials, loads, and stresses; **rules governing chimneys, heating appliances, elevators, and other facilities connected with the buildings and structures;** rules governing plumbing, heating, air conditioning for the purpose of comfort cooling by the lowering of temperature, and electrical systems; **and such other reasonable rules pertaining to the construction of buildings and structures and the installation of particular facilities therein as may be found reasonably necessary for the protection of the occupants of the building or structure, its neighbors, and members of the public at large.**

AV101.2: *In the Exception, replace "which" with "that"*

AV102: *In "Barrier" please replace "which" with "that"*

In "Residential" in "That which is" what is "that"? Does your regulated public know?

In "Swimming Pool, Indoor" and "Swimming Pool, Outdoor" please replace "which" with "that"

AV103.2: *Please hyphenate "Above-ground"*

AV105.2: *Please replace "which" with "that" here, in 1, 3, 6, 9,.2 and 10.2.*

In 4, 5, 6, and 7, is this 1 and ¾ inches? As written right now, it looks like 13/4.

In 9, please delete the "or" at the end of 9.1.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

AV105.5: Replace “which” with “that”

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Residential Code, Appendix W

DEADLINE FOR RECEIPT: Wednesday, September 6, 2017

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Table W-2: In the column "Span (ft)" you have a Footnote 6, but there is not a corresponding footnote under the Table. Should this be deleted? Or should the "Span, L" language be denoted as Footnote 6?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017